



Preliminary ENSOFT SO-300-05A

ENSOFT-S

Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is produced with food contact compliant raw materials, unfilled, high performance and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery
Additive Packages :	T / Heat and UV stabilizer /
Key Features :	Translucent Excellent ozone, UV and weathering resistance Rubberlike elasticity in a wide temperature range Easy colorability with proper MB (PE, PP, etc. based)
Process Method :	Injection/multi injection molding
Uses :	Industrial applications, personal care, toys, consumer goods, home&kitchen appliances

	Value	Unit	Standard
Physical			
Hardness	05	SHORE A	ISO 868 (3 second)
Density	0,9	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	0,2	Mpa	ISO 37, DIN 53504
300% Modulus	0,3	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	2,5	Mpa	ISO 37, DIN 53504,ASTM D412
Elongation at Break	>800	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	7	N/mm	ISO 34-1

Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good



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Detergent	Good
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Drying Condition

Drying Time(hr)	Not required
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Drying Temperature(°C)	Not required
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Molding Condition (°C)

1st Zone (hopper)(°C)	150-160
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2nd Zone(°C)	160-170
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3rd Zone(°C)	170-180
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Nozzle(°C)	185-190
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Melt Temperature(°C)	190-200
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Mold Temperature(°C)	10-50
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Max Allowable Melt Temperature(°C)	250 C
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